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NPIC/R-1600/63

December 1963

PHOTOGRAPHIC INTERPRETATION REPORT

MISSION COVERAGE INDEX

MISSION  182

25X1

8 OCTOBER 1963

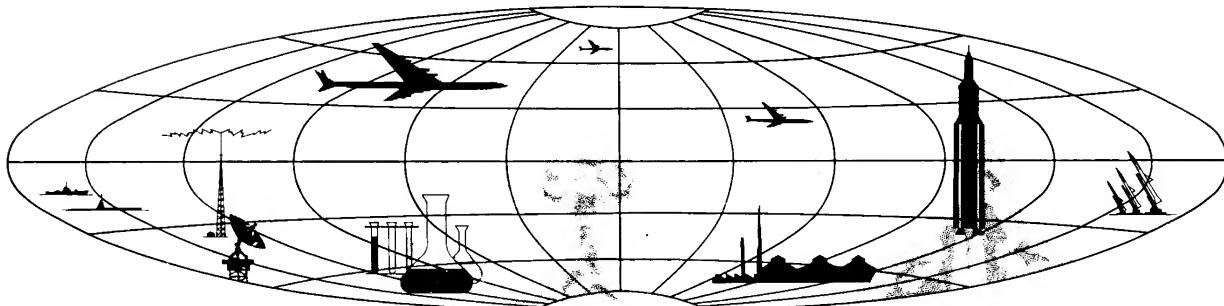


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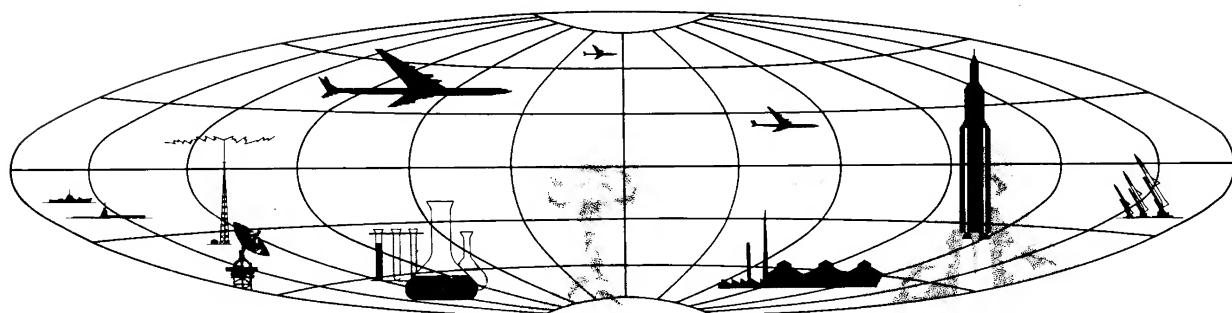


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## PREFACE

This Mission Coverage Index (MCI) lists items of intelligence interest in China and North Korea covered by aerial photographic material from CHURCH DOOR Mission

[ ] 182, dated 8 October 1963, [ ]

[ ] Items in the compilation are arranged in three sections:

Section I provides summary information for a) newly identified targets, b) previously reported targets which show a change, and c) all targets showing order of battle information.

Section II provides a listing of those targets which reflect no change in facilities from previous target descriptions. The mission number shown on the photo reference line (e.g. NAC [ ] 000) refers to the MCI which contains the most adequate description of that target. Military installations where no order of battle can be determined are listed under this section.

Section III provides a listing of those targets which could be identified but not interpreted.

All three sections are arranged 1) by country, 2) within a country by subject, 3) within a subject by WAC area, and 4) within a WAC area by coordinates reading from south to north and from west to east.

For convenience of the user, an index to all targets has been included following Section III. Targets in the index are listed 1) by country, and 2) alphabetically by place name within each country. Column headings, photo reference data, and symbols indicating conditions which affect the appearance of the target on the photography are explained in the appendix.

The user of this MCI is cautioned that the scan of photography was accomplished in a relatively short time and often without the aid of precise analytical and mensural techniques commonly employed in detailed photographic analysis. Consequently, although the information presented herein is essentially accurate, it may be altered somewhat by additional detailed analysis.

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## **SECTION I**

THIS SECTION PROVIDES SUMMARY INFORMATION FOR A) NEWLY IDENTIFIED TARGETS, B) PREVIOUSLY REPORTED TARGETS WHICH SHOW A CHANGE, AND C) ALL TARGETS SHOWING ORDER OF BATTLE INFORMATION.

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
-CHINA-				
<u>MISSILES</u>				
LIEN-SHAN CRUISE-MISSILE LAUNCH SITE 3 NM SE OF LIEN-SHAN. NO APPARENT CHANGE IN CLOUD-FREE AREAS [REDACTED] [REDACTED] EXCEPT THAT PREVIOUSLY REPORTED SHEET BEND RADAR AT WEST LAUNCH POSITION NOT OBSERVED. TWO POSSIBLE RADAR VANS AND 3 SMALL VEHICLES OBSERVED 100 FT NW OF EAST LAUNCH AREA, AND ONE MISSILE TRANSPORTER, 7 CANVAS-COVERED PROBABLE PRIME MOVERS, AND 4 TRUCKS OBSERVED ACROSS THE ROAD AND IMMEDIATELY SOUTH OF WEST LAUNCH AREA. A MISSILE TRANSPORTER IS ON THE ROAD ADJACENT TO THE EAST LAUNCH POSITION. NINETY PER CENT CLOUD-COVER PRECLUDES ANALYSIS OF THE LAUNCH SUPPORT FACILITIES. [REDACTED]	4042N 12052E	0289	[REDACTED]	19-D
				25X1
				25X1
				25X1
<u>AIR INSTALLATIONS</u>				
LA-LIN AIRFIELD 1.5 NM EAST OF LA-LIN. APPROXIMATELY 8,400 X 200 FT NNE/SSW CONCRETE RUNWAY, APPARENTLY SERVICEABLE. HAZE AND OBLIQUITY PRECLUDE FURTHER INTERPRETATION. AIRCRAFT -- NONE OBSERVED. [REDACTED]	4514N 12653E	0283	[REDACTED]	47-A
				25X1
				25X1
PING-FANG AIRFIELD 1.5 NM WEST OF PING-FANG.	4535N 12639E	0283	[REDACTED]	55
				25X1
				25X1

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
7,300 X 230 FT NE/SW CONCRETE RUNWAY, SERVICEABLE. HEAVY HAZE PRECLUDES FURTHER INTERPRETATION OR DETERMINATION OF PRESENCE OF AIRCRAFT. [REDACTED]				
SUI-CHUNG AIRFIELD .8 NM SSE OF SUI-CHUNG. 8,100 X 235 FT NE/SW CONCRETE RUNWAY, SERVICEABLE. FACILITIES INCLUDE PARALLEL LOOP TAXIWAY WITH 3 CROSSOVER LINKS, 2 ALERT APRONS, 3 PARKING APRONS, 26 REVETTED HARDSTANDS, AND A PROBABLE EXPLOSIVES STORAGE AND SUPPORT AREA ON WEST SIDE OF RUNWAY. AIRCRAFT -- 2 COLT. [REDACTED]	4019N 12021E	0289	[REDACTED]	24
CHIN-HSI AIRFIELD SE EDGE OF LIEN-SHAN. 5,200 X 200 FT ENE/WSW CONCRETE RUNWAY, SERVICEABLE. FACILITIES INCLUDE PARKING AND MAINTENANCE AREA ON WEST SIDE OF FIELD. AIRCRAFT -- 5 CAB, 5 COLT, AND 6 MOOSE. [REDACTED]	4045N 12052E	0289	[REDACTED]	19-A
CHIN-HSIEN AIRFIELD WEST 2 NM WSW OF CHIN-CHOU (CHIN-HSIEN). NO APPARENT CHANGE IN FACILITIES IN CLOUD- FREE AREAS [REDACTED] AIRCRAFT -- 61 FAGOT/FRESCO. [REDACTED]	4105N 12103E	0289	[REDACTED]	7-A
TSANG-HSIEN AIRFIELD 6.5 NM NNE OF TSANG-HSIEN.	3824N 11655E	0381	[REDACTED]	68

25X1  
25X1

25X1

25X1

25X1

25X1

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
8,900 X 290 FT NNW/SSE CONCRETE RUNWAY, SERVICEABLE. FACILITIES INCLUDE A PARALLEL LOOP TAXIWAY, 3 CROSSOVER LINKS, 2 ALERT APRONS, 3 PARKING APRONS, 10 REVETTED HARDSTANDS, ONE COMPASS ROSE, FIRING-IN BUTT, 2 LARGE HANGARS AND SUPPORT FACILITIES ON WEST SIDE OF FIELD, 2 UNDERGROUND POL STORAGE AREAS (ONE ADJACENT TO WEST SIDE OF FIELD AND ONE 1.5 NM WEST), REVETTED EXPLOSIVES STORAGE AREA 1.5 NM NW. AN AIR FORCE TRAINING SCHOOL IS LOCATED 4.5 NM SW OF FIELD. AIRCRAFT -- 4 BEAGLE, 42 FAGOT/FRESCO, AND ONE COLT. [redacted]				
TANG-KUAN-TUN AIRFIELD 7.8 NM NE OF TANG-KUAN-TUN. RUNWAY COMPLETELY INUNDATED. PARKING REVETMENTS, HANGARS, AND POL STORAGE AREA ONLY FACILITIES OBSERVED ABOVE WATER. AIRCRAFT -- NONE OBSERVED. [redacted]	3847N 11704E	0381	63	25X1 25X1
TIENTSIN AIRFIELD 7 NM SSE OF TIEN-CHING (TIENTSIN). 6,600 X 200 FT NNW/SSE CONCRETE RUNWAY, SERVICEABLE, WITH 600 FT OVERRUNS AT EACH END. FACILITIES ON WEST SIDE INCLUDE PARALLEL LOOP TAXIWAY WITH 2 CROSSOVER LINKS, 2 ALERT APRONS, PARKING APRON, SMALL HANGAR, SUPPORT AREA, AND POL STORAGE AREA. AIRCRAFT -- ONE CAB, 9 COLT, 2 PROBABLE CREEK, 2 POSSIBLE MOOSE, ONE UNIDENTIFIED AIRCRAFT IN HANGAR, AND 2 UNIDENTIFIED FUSELAGES.	3907N 11721E	0381	67-D	25X1

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
[REDACTED]				25X1
YANG-TSUN AIRFIELD 1.5 NM ESE OF YANG-TSUN. NO APPARENT CHANGE IN FACILITIES [REDACTED]	3922N 11705E	0381	[REDACTED] 79	25X1
[REDACTED] AIRCRAFT -- 21 PROBABLE FAGOT/FRESCO, 20 POSSIBLE FAGOT/FRESCO, AND 3 POSSIBLE AIRCRAFT. [REDACTED]				25X1 25X1
[REDACTED] TUNG-HAI AIRFIELD WEST 14 NM WEST OF TUNG-HAI. 7,900 X 220 FT NNE/SSW CONCRETE RUNWAY, SERVICEABLE. FACILITIES EAST OF RUNWAY INCLUDE PARALLEL LOOP TAXIWAY, 2 CROSSOVER LINKS, 2 ALERT APRONS, ONE PARKING APRON, 19 REVETTED HARDSTANDS, A FIRING-IN BUTT, 2 HANGARS, A CONTROL TOWER, POL STORAGE, AMMUNITION STORAGE, AND BARRACKS AREA. AIRCRAFT -- 27 PROBABLE FAGOT/FRESCO.	3435N 11852E	0386	[REDACTED] 24-C	25X1
[REDACTED] CHIA-HSING AIRFIELD 4 NM SW OF CHIA-HSING. NO APPARENT CHANGE IN FACILITIES [REDACTED]	3043N 12041E	0492	[REDACTED] 7	25X1 25X1
[REDACTED] DEFENSES INCLUDE ONE UNOCCUPIED 4-GUN AAA SITE NEAR SW CORNER OF RUNWAY, ONE 4-GUN AAA SITE (2 EMPLACEMENTS OCCUPIED) ADJACENT TO SE PARKING REVETMENTS, AND ONE UNOCCUPIED 4-GUN AAA SITE APPROXIMATELY 200 YARDS NE OF HANGAR AREA. AIRCRAFT -- 26 FAGOT/FRESCO (2 WITH TAIL				

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
SECTIONS REMOVED) AND 39 PROBABLE MAX. [REDACTED]				
WU-HSI AIRFIELD 8.7 NM SE OF WU-HSI. NO APPARENT CHANGE IN FACILITIES [REDACTED]	3129N 12026E	0492	[REDACTED]	41-A
AIRCRAFT -- 55 FAGOT/FRESCO. [REDACTED]				25X1
<u>MILITARY INSTALLATIONS</u>				
CHIN-CHOU, MILITARY AREA NE EDGE OF CHIN-CHOU. AREA FORMERLY ASSOCIATED WITH CHIN-CHOU NORTHEAST AIRFIELD [REDACTED] WHICH HAS BEEN RETURNED TO AGRICULTURE. MILITARY AREA CONTAINS 127 BARRACKS (4 UNDER CONSTRUCTION), 9 ADMINISTRATION BUILDINGS, AND 9 STORAGE/SUPPORT BUILDINGS. NUMEROUS TRENCHES AND FIRING POSITIONS OBSERVED IN FIELD SE OF AREA. [REDACTED]	4107N 12110E	0289		7-L
				25X1
CHIN-HUANG-TAO AREA, MILITARY INSTALLATION 2 NM NORTH OF CHIN-HUANG-TAO. NO APPARENT CHANGE IN FACILITIES [REDACTED]	3759N 11936E	0381		11-B
NINE FA PIECES OBSERVED IN HEADQUARTERS AREA. [REDACTED]				25X1
TSANG-HSIEN AIR FORCE TRAINING SCHOOL 4.5 NM NORTH OF TSANG-HSIEN AND 4.5 NM SW OF TSANG-HSIEN AIRFIELD. (AREA PREVIOUSLY REPORTED AS TSANG-HSIEN ARMY	3822N 11653E	0381		68-A
				25X1

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City, Installation	Coordinates	WAC	Installation Numbers		25X1
			BE	NPIC	
BARRACKS EAST, [REDACTED] AREA CONTAINS APPROXIMATELY 40 BARRACKS-TYPE AND 3 ADMINISTRATION BUILDINGS, 4 POWER HOUSES, AN ELEVATED WATER TANK, AND MOTOR POOL WITH 5 BUILDINGS AND 10 VEHICLES. AIRCRAFT -- ONE JET PARKED BEFORE AN ADMINISTRATION BUILDING. [REDACTED]					25X1
CHANG-KUAN-TUN AREA, PROBABLE MILITARY INSTAL 4 NM SSW OF CHANG-KUAN-TUN. SECURED MILITARY AREA CONTAINS APPROXIMATELY 50 BARRACKS-TYPE, 5 PROBABLE ADMINISTRATION, 7 WAREHOUSE/STORAGE, AND 10 MISCELLANEOUS SUPPORT BUILDINGS AND 4 H-SHAPED MESS HALLS. NUMEROUS TRENCHES AND TRAINING FACILITIES OBSERVED WITHIN THE AREA. [REDACTED]	3840N 11651E	0381		122	25X1
TIEN-CHING BARRACKS SW SECTION OF TIEN-CHING AT 39-07-20N 117-10-15E. FENCED MILITARY HEADQUARTERS AND BARRACKS AREA CONTAINS 10 BARRACKS-TYPE, ONE LARGE MULTISTORY MULTIWING ADMINISTRATION, AND APPROXIMATELY 20 ASSOCIATED BUILDINGS, AND A HEATING PLANT. [REDACTED]	3907N 11710E	0381	[REDACTED]	67-E	25X1
TIEN-CHING, MILITARY AREAS TWO AREAS AT TIEN-CHING.  AREA A (ON EAST SIDE OF TIEN-CHING) -- BARRACKS AREA CONTAINS 6 LARGE MULTISTORY U-SHAPED BARRACKS, ONE MULTISTORY BARRACKS, 5	3908N 11715E	0381		67-H	25X1

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H-SHAPED MESS HALLS, 4 T-SHAPED MESS HALLS, 4 SMALL PROBABLE MESS HALLS, AND ONE LARGE MULTISTORY MULTIWING ADMINISTRATION, 2 THEATER-TYPE, 2 VEHICLE MAINTENANCE, 3 VEHICLE STORAGE, AND APPROXIMATELY 75 SUPPORT AND STORAGE BUILDINGS, ONE LARGE AND ONE SMALL SMALL-ARMS FIRING RANGE, AND 4 FA PIECES. A MOVING TARGET RANGE OBSERVED IMMEDIATELY EAST OF AREA. SECURED AMMUNITION STORAGE AREA IMMEDIATELY NORTH CONTAINS 19 STORAGE BUNKERS AND 29 SMALL STORAGE BUILDINGS.				
AREA B (TIEN-CHING ARSENAL EAST, [REDACTED] IMMEDIATELY SOUTH OF AREA A) -- PARTIALLY SECURED ARSENAL CONTAINS APPROXIMATELY 100 BUILDINGS INCLUDING LIGHT FABRICATION, ASSEMBLY, AND WAREHOUSE-TYPE BUILDINGS AND 3 SMALL ARMS FIRING RANGES. FIFTEEN TRUCKS OBSERVED. [REDACTED]				25X1
WU-HSIEN AREA, MILITARY COMPLEX THREE MILITARY AREAS 7.5 NM WSW OF WU-HSIEN.	3117N 12028E	0492		42-C
AREA A (31-17N 120-28E) -- SECURED ARMOR MAINTENANCE AREA CONTAINS 3 BARRACKS, 2 VEHICLE MAINTENANCE BUILDINGS, 7 VEHICLE STORAGE SHEDS, AND 4 GREASE RACKS. SUB-CALIBER FIRING RANGE OBSERVED ON NNE EDGE OF AREA AND APPROXIMATELY 20 BARRACKS, 2 ADMINISTRATION BUILDINGS, AND NUMEROUS STORAGE/SUPPORT BUILDINGS OBSERVED IMMEDIATELY NE. THREE PROBABLE CANVAS-COVERED TANKS (ONE ON GREASE RACK) AND 2 CANVAS-COVERED POSSIBLE TANK TURRET TRAINERS OBSERVED. EXTENSIVE TRACK				

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ACTIVITY OBSERVED 1.6 NM WEST.  AREA B (3.8 NM SW OF AREA A) -- APPROXIMATELY 50 BARRACKS, ONE ADMINISTRATION BUILDING, AND 40 STORAGE/SUPPORT BUILDINGS.  AREA C (1.3 NM NNE OF AREA A) -- SECURED PROBABLE EXPLOSIVES STORAGE AREA CONTAINS 17 ROAD-SERVED DISPERSED PROBABLY REVETTED STORAGE BUILDINGS.  [Redacted]				
WU-HSI AREA, MILITARY COMPLEX TEN MILITARY INSTALLATIONS GENERALLY IN LINE WSW OF WU-HSI AND OBSERVED TO LIMITS OF PHOTO COVERAGE AT 31-33N 120-09E. (REFERENCE POINT FOR AREAS B THROUGH J IS AREA A)  AREA A (2 NM WSW OF WU-HSI AT 31-34N 120-16E) -- SECURED AREA CONTAINS 60 PROBABLE BARRACKS, ONE ADMINISTRATION BUILDING, AND NUMEROUS SMALL SUPPORT BUILDINGS.  AREA B (ONE NM NORTH) -- SECURED AREA CONTAINS 9 BARRACKS AND ONE ADMINISTRATION, 4 STORAGE, AND 15 SUPPORT BUILDINGS. APPROXIMATELY 15 UNIDENTIFIED PIECES OF EQUIPMENT OBSERVED.  AREA C (1.6 NM NNW) -- PARTIALLY SECURED AREA CONTAINS 18 BARRACKS AND ONE ADMINISTRATION, 15 STORAGE, AND APPROXIMATELY 20 SMALLER ASSOCIATED BUILDINGS.  AREA D (2.3 NM NW) -- SECURED AREA CONTAINS 22	3134N 12016E	0492	41-C	25X1

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<p>BARRACKS, ONE ADMINISTRATION BUILDING, 2 VEHICLE MAINTENANCE SHEDS, 4 VEHICLE STORAGE SHEDS, 4 GREASE RACKS AND APPROXIMATELY 20 SMALL ASSOCIATED BUILDINGS. SUB-CALIBER FIRING RANGE OBSERVED ON SW EDGE AND EXTENSIVE TRACK ACTIVITY TO SSW. TWO CANVAS-COVERED TANKS AND 2 CANVAS-COVERED PROBABLE TANK TURRET TRAINERS OBSERVED.</p> <p>AREA E (.8 NM WNW) --- SECURED AREA CONTAINS 43 BARRACKS AND 2 ADMINISTRATION, 16 STORAGE, AND APPROXIMATELY 10 SMALLER ASSOCIATED BUILDINGS.</p> <p>AREA F (2.3 NM WEST) --- SECURED AREA CONTAINS 4 MULTISTORY BARRACKS AND 3 ADMINISTRATION, 6 STORAGE, AND APPROXIMATELY 10 SMALLER ASSOCIATED BUILDINGS.</p> <p>AREA G (3.2 NM WSW) --- SECURED AREA (PARTIALLY OBSCURED BY CLOUDS) CONTAINS AT LEAST 10 BARRACKS-TYPE, ONE ADMINISTRATION/SUPPORT, AND 10 STORAGE BUILDINGS.</p> <p>AREA H (3.8 NM WSW) --- PARTIALLY SECURED AREA CONTAINS 35 BARRACKS AND 2 ADMINISTRATION, 3 STORAGE, AND APPROXIMATELY 20 SMALLER ASSOCIATED BUILDINGS.</p> <p>AREA I (4.7 NM WSW) --- PARTIALLY SECURED AREA CONTAINS 4 MULTISTORY BARRACKS AND ONE ADMINISTRATION, 6 STORAGE, AND APPROXIMATELY 15 SMALLER ASSOCIATED BUILDINGS.</p> <p>AREA J (6 NM WSW) --- PARTIALLY SECURED AREA</p>				

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CONTAINS AT LEAST 25 BARRACKS, 2 ADMINISTRATION BUILDINGS AND 2 STORAGE BUILDINGS.  SCATTERED TRENCHING OBSERVED THROUGHOUT COMPLEX.  [Redacted]				
<b>INDUSTRY</b>  HU-LAN AREA, PROBABLE CHEMICAL PLANT 2 NM ESE OF HU-LAN. PROBABLE CHEMICAL PLANT CONTAINS 7 PROCESSING BUILDINGS, ONE OF WHICH IS A TOWER APPROXIMATELY 50 FT SQ AND APPROXIMATELY 100 FT IN HEIGHT. HOUSING AND ADMINISTRATION AREA OBSERVED ON WEST SIDE AND WAREHOUSE AREA ON EAST SIDE OF PLANT.  [Redacted]	4558N 12638E	0283		117
NU-ERH-HO-TSUN AREA, INDUSTRIAL SITE ONE NM WEST OF NU-ERH-HO-TSUN AND 9 NM SW OF CHIN-CHOU. SMALL RAIL-SERVED INDUSTRIAL AREA, 2 SQ MI IN AREA, ON WEST SIDE OF CHIN-CHOU--TA-KU RAILROAD LINE INCLUDES EXTRACTION INDUSTRY, PROBABLE TEXTILE PLANT, AN UNIDENTIFIED INDUSTRY, AND A HOUSING/ADMINISTRATION AREA. INDUSTRIAL AREA IS OPERATIONAL BUT NUMEROUS BUILDINGS AND SUBAREAS APPEAR ABANDONED OR IN A SUSPENDED CONSTRUCTION STATUS.  [Redacted]	4103N 12059E	0289		7-M
CHIN-CHOU SYNTHETIC FUELS PLANT NW EDGE OF CHIN-CHOU.  [Redacted]	4108N 12105E	0289	[Redacted]	7-H

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RAIL-SERVED COKE BY-PRODUCTS PLANT CONTAINS COAL STORAGE, LARGE PROCESSING BUILDING, SEVERAL MEDIUM-TO-SMALL PROCESSING BUILDINGS, 3 LARGE CLOSED TANKS, APPROXIMATELY 115 SMALL CYLINDRICAL VERTICAL AND APPROXIMATELY 25 SMALL CYLINDRICAL HORIZONTAL TANKS, 10 LARGE AND SEVERAL MEDIUM-TO-SMALL STORAGE BUILDINGS, AND ONE ADMINISTRATION BUILDING. CLOUD SHADOW PRECLUDES FURTHER INTERPRETATION. [redacted]				
HSU-CHIA-CHUANG AREA, IRON PLANT U/C 1.5 NM ENE OF HSU-CHIA-CHUANG. PLANT COMPRISSES 4 BLAST FURNACES (2 UNDER CONSTRUCTION), 12 HOT STOVES (6 UNDER CONSTRUCTION), 4 CASTING SHEDS (2 UNDER CONSTRUCTION), 2 LARGE AND 2 SMALL COOLING PONDS, AND ASSOCIATED FACILITIES. POWER SUBSTATION OBSERVED .2 NM NNW OF PLANT. [redacted]	3604N 11749E	0381	125	25X1
HU-SHU-KUAN AREA, IRON PLANT 1.5 NM NW OF HU-SHU-KUAN. RAIL-SERVED PLANT CONTAINS A BLAST FURNACE, 2 POSSIBLE BLAST FURNACES UNDER CONSTRUCTION, 3 HOT STOVES, 3 CASTING SHEDS, 2 COKE BATTERIES, COKE BY-PRODUCTS AREA, AND NUMEROUS SUPPORT BUILDINGS. CLOUD SHADOW PRECLUDES FURTHER INTERPRETATION. [redacted]	3124N 12029E	0492	44-C	25X1
WU-HSI AREA, ORE PROCESSING PLANT 6.5 NM SSW OF WU-HSI. PLANT INCLUDES A LONG PROBABLE MECHANICAL ORE PROCESSING AND STORAGE BUILDING, 4 LARGE [redacted]	3129N 12015E	0492	41-B	25X1

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
INDUSTRIAL-TYPE BUILDINGS, APPROXIMATELY 35 ASSOCIATED BUILDINGS, AND A HOUSING AREA WITH 10 MULTISTORY APARTMENT-TYPE BUILDINGS. ASSOCIATED MINING ACTIVITY OBSERVED TO SOUTH, NORTH AND WEST OF PLANT. [REDACTED]				
<u>PORTS AND HARBORS</u>				
TANG-KU PORT FACILITIES NO APPARENT CHANGE IN FACILITIES OBSERVED IN CLOUD-FREE AREAS [REDACTED]	3900N 11744E	0381	62	25X1 25X1 25X1 25X1
VESSELS -- 6 DRY CARGO FREIGHTERS, NUMEROUS RIVER BARGES, AND OTHER SMALL CRAFT. [REDACTED]				25X1 25X1
CHIN-HUANG-TAO PORT FACILITIES NO APPARENT CHANGE IN FACILITIES [REDACTED]	3954N 11936E	0381	11-A	25X1 25X1
VESSELS -- 3 FREIGHTERS AND NUMEROUS SMALL CRAFT. [REDACTED]				25X1
<u>STORAGE</u>				
PA-TOU-CHUANG AREA, PROB EXPLOSIVES STORAGE 3 NM SOUTH OF PA-TOU-CHUANG. WALL-SECURED STORAGE AREA CONTAINS 6 REVETTED STORAGE BUILDINGS AND ONE SMALL ASSOCIATED BUILDING. [REDACTED]	3624N 11754E	0381	126	25X1

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
URBAN COMPLEXES				
HA-ERH-PIN COMPLEX APPROXIMATELY 95 PER CENT OF COMPLEX COVERED BY HEAVY CLOUDS AND HAZE. ONLY POL FACILITIES ON NE EDGE OF COMPLEX, PART OF SE EDGE OF COMPLEX, AND RAILROAD BRIDGE ACROSS SUNG-HUA CHIANG (RIVER) AT 45-48N 126-41E OBSERVED.	4545N 12639E	0283		42
TIEN-CHING COMPLEX COMPLEX IS A LIGHT INDUSTRIAL, STORAGE, AND TRANSPORTATION CENTER. 65 SQ MI IN AREA. LIGHT INDUSTRY PLANTS OBSERVED THROUGHOUT AREA BUT MAINLY NEAR DOCKS AND RAILROAD YARDS IN SE SECTOR. HEAVY FABRICATION PLANT (PARTIALLY UNDER CONSTRUCTION) OBSERVED IMMEDIATELY WEST OF CITY LIMITS. COMMERCIAL WAREHOUSES CONCENTRATED IN SE ALONG PAI HO (RIVER). TWO MILITARY BARRACKS AREAS AND A SUPPLY DEPOT OBSERVED IN SE SECTION. SEVERAL RAILROAD CLASSIFICATION YARDS AND SHOPS OBSERVED WITH LARGEST SITUATED IN SE SECTION. APPROXIMATELY 450 UNIDENTIFIED RAILROAD CARS OBSERVED AT 2 CLASSIFICATION YARDS ON NE EDGE OF TIEN-CHING AND APPROXIMATELY 70 UNIDENTIFIED RAILROAD CARS OBSERVED AT CLASSIFICATION YARD ON NW EDGE. APPROXIMATELY 50 UNIDENTIFIED RAILROAD CARS OBSERVED IN RAILROAD YARD IN SW SECTION. SEVENTY-EIGHT PASSENGER CARS, APPROXIMATELY	3908N 11712E	0381		67

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
200 BOXCARS, 10 TANK CARS, AND 40 GONDOLA CARS OBSERVED IN YARDS IN SE SECTION. [REDACTED]				
CHIN-HUANG-TAO COMPLEX NO APPARENT CHANGE IN FACILITIES OBSERVED IN CLOUD-FREE AREAS [REDACTED]	3956N 11937E	0381	11	
APPROXIMATELY 150 UNIDENTIFIED RAILROAD CARS OBSERVED IN CLOUD-FREE AREAS. [REDACTED]				
-NORTH KOREA-				
<u>AIR INSTALLATIONS</u>				
PYONG-NI AIRFIELD 3 NM SW OF SUNCHON. NO APPARENT CHANGE IN FACILITIES OBSERVED IN CLOUD-FREE AREAS [REDACTED]	3924N 12554E	0380	5	
OBLIQUITY, IMAGE QUALITY, AND WEATHER CONDITIONS PRECLUDE DETERMINATION OF PRESENCE OF AIRCRAFT. [REDACTED]				
SAAMCHAM AIRFIELD •7 NM NE OF SAAMCHAM. NO APPARENT CHANGE IN FACILITIES [REDACTED]	3945N 12554E	0380	9	
OBLIQUITY AND HAZE PRECLUDE INTERPRETATION OF POSSIBLE UNDERGROUND STORAGE/REPAIR [REDACTED]				

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
<b>FACILITIES.</b> AIRCRAFT -- 22 POSSIBLE FAGOT/FRESCO. [redacted]				
<b>MILITARY INSTALLATIONS</b>				
KUYONG-NI AREA, MILITARY ACTIVITY 2.8 NM SSE OF KUYONG-NI AND APPROXIMATELY ONE NM FROM DMZ. CAMP CONTAINS 6 PROBABLE BARRACKS, 4 ADMINISTRATION BUILDINGS, AND SEVERAL SMALLER SUPPORT BUILDINGS. PROBABLE 6-GUN COASTAL DEFENSE POSITION (2 EMPLACEMENTS OCCUPIED) OBSERVED .5 NM EAST OF CAMP. [redacted]	3745N 12608E	0380	89	25X1
YONAN AREA, MILITARY ACTIVITY ONE NM NW OF YONAN. MILITARY ACTIVITY COMPRISSES 3 SEPARATE AREAS CONTAINING A TOTAL OF 15 BARRACKS-TYPE, 3 U-SHAPED ADMINISTRATION, AND APPROXIMATELY 30 STORAGE/SUPPORT BUILDINGS. EIGHT CARGO TRUCKS AND ONE UNIDENTIFIED VEHICLE OBSERVED. [redacted]	3754N 12608E	0380	61-A	25X1
SINGYE AREA, MILITARY ACTIVITY 6.5 NM SW OF SINGYE AT UTM COORDINATES BT744589. MILITARY CAMP DISPERSED IN VALLEY CONTAINS 18 BARRACKS, 3 PROBABLE ADMINISTRATION BUILDINGS, 43 STORAGE BUILDINGS (4 UNDER CONSTRUCTION), 9 SUPPORT BUILDINGS AND A PROBABLE VEHICLE/EQUIPMENT SHED.	3826N 12525E	0380	18-A	25X1

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
APPROXIMATELY 40 PROBABLE CARGO TRUCKS OBSERVED. [redacted]				25X1
KUMCHON AREA, MILITARY INSTALLATIONS TWO MILITARY AREAS IN KUMCHON VICINITY.  AREA A (3.5 NM NE OF KUMCHON) -- 2 QUADRANGULARLY SHAPED AREAS WITH 8 LARGE BARRACKS, 2 ADMINISTRATION BUILDINGS, AT LEAST 12 SMALL REVETTED SHEDS, AND APPROXIMATELY 20 MISCELLANEOUS SUPPORT BUILDINGS AND SHEDS. SCATTERED TRENCHES AND REVETMENTS AND 2 PROBABLE TRUCKS OBSERVED.	3812N 12631E	0380	42-C	
AREA B (2 NM NE OF KUMCHON) -- NO APPARENT CHANGE [redacted]				25X1 25X1
HANPO-RI AREA, MILITARY AREAS FIVE MILITARY AREAS (A THROUGH E) 6 NM ENE OF HANPO-RI. NO APPARENT CHANGE [redacted] EXCEPT 19 CANVAS-COVERED PROBABLE TANKS/SP GUNS AND 2 CARGO TRUCKS OBSERVED IN AREA A AND 9 POSSIBLE CANVAS-COVERED TANKS/SP GUNS IN AREA C. [redacted]	3814N 12635E	0380	21-A	25X1 25X1
SAMSAN-NI, MILITARY INSTALLATION ON WEST EDGE OF SAMSAN-NI AND 13.8 NM ESE OF NAMCHONJOM AT UTM COORDINATES BT978399. SINGLE MILITARY BARRACKS AND STORAGE AREA DISPERSED ALONG WINDING VALLEY CONTAINS 24 BARRACKS AND 4 ADMINISTRATION, 30	3815N 12636E	0380	69	25X1

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
STORAGE/SUPPORT, AND 22 REVETTED STORAGE BUILDINGS. OTHER AREAS PREVIOUSLY REPORTED UNDER THIS TARGET ARE COVERED UNDER HANPO-RI MILITARY AREA, NPIC TARGET 0380-21-A. [REDACTED]				
NAMCHONJOM, MILITARY BARRACKS AREA ONE NM NORTH OF NAMCHONJOM. MILITARY BARRACKS AREA CONTAINS 24 BARRACKS, 4 ADMINISTRATION BUILDINGS, AND 36 STORAGE/SUPPORT BUILDINGS. STRONGPOINT PREVIOUSLY REPORTED [REDACTED] IMMEDIATELY EAST OF BARRACKS AREA APPEARS ABANDONED. [REDACTED]	3820N 12623E	0380	36-B	25X1
SINGYE AREA, MILITARY INSTALLATION 1.2 NM SSE OF SINGYE. APPROXIMATELY 50 BARRACKS/SUPPORT BUILDINGS, AN AMMUNITION STORAGE AREA, AND 2 TRUCKS OBSERVED. NUMEROUS TRENCHES AND REVETMENTS SCATTERED IN HILLS AROUND SINGYE. [REDACTED]	3829N 12632E	0380	48	25X1 25X1 25X1
YANGDOK AREA, MILITARY STORAGE AREA IN VALLEY 1.8 NM SOUTH OF YANGDOK. STORAGE AREA CONTAINS 4 PROBABLE BARRACKS, AT LEAST 52 PARTIALLY REVETTED RECTANGULAR STORAGE BUILDINGS, 6 FOUNDATION SCARS FROM RAZED BUILDINGS SCATTERED THROUGHOUT VALLEY, ONE PROBABLE MULTISTORY ADMINISTRATION BUILDING AND ONE L-SHAPED PROBABLE MESS HALL. [REDACTED]	3911N 12637E	0380	43-B	25X1

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
<u>BASIC SERVICES</u>				
TONGNO-GANG, DAM & HYDROELECTRIC POWER PLANT PLANT WAS PREVIOUSLY REPORTED [REDACTED] [REDACTED] AS CHIAN AREA, DAM AND HYDROELECTRIC POWER PLANT. NO APPARENT CHANGE IN FACILITIES [REDACTED] [REDACTED]	4059N 12612E	0290	77-E	25X1 25X1 25X1 25X1
PYONGYANG TO WONSAN SEARCH RAILROAD LINE OBSERVED FROM 39-17N 126-22E TO 39-27N 126-52E. LINE APPARENTLY IN SERVICE BUT NO TRAFFIC OBSERVED. NEW BRIDGES APPARENTLY REPLACE THOSE DESTROYED BY BOMBING DURING KOREAN WAR. SIGNIFICANT MILITARY INSTALLATIONS ALONG ROUTE REPORTED SEPARATELY. [REDACTED]	3901N 12546E	0380	11-G	25X1
YANGDOK--SAMDUNG RAILROAD RAILROAD OBSERVED FROM YANGKOK (39-14N 126-38E) TO 39-17N 126-22E. NO APPARENT CHANGE IN AREA OBSERVED [REDACTED] [REDACTED]	3914N 12638E	0380	43-A	25X1 25X1
<u>STORAGE</u>				
CHUNGCHON AREA, POL STORAGE 4 NM SW OF CHUNGCHON. ROAD-SERVED POL STORAGE AREA CONTAINS APPROXIMATELY 100 PARTIALLY REVETTED CYLINDRICAL POL TANKS IN 14 SEPARATE GROUPS.	3932N 12616E	0380	88	

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
				25X1
<u>URBAN COMPLEXES</u>				
<u>MANPOJIN COMPLEX</u> APPROXIMATELY 15 PERCENT OF MANPOJIN COVERED BY CLOUD-FREE PHOTOGRAPHY. NO MILITARY OR SIGNIFICANT INDUSTRIAL TARGETS OBSERVED.	4109N 12617E	0290		77-D 25X1
<u>KAESONG COMPLEX</u> NO APPARENT CHANGE IN FACILITIES	3758N 12633E	0380		35 25X1
OBLIQUITY PRECLUDES DETAILED INTERPRETATION.				25X1
<u>KUMCHON COMPLEX</u> COMPLEX, LESS THAN ONE SQ MI IN AREA, IS MAINLY RESIDENTIAL WITH SEVERAL COMMERCIAL BUILDINGS, A SMALL STORAGE AREA, A HIGHWAY BRIDGE, A RAILROAD BRIDGE, AND A RAILROAD YARD. BARRACKS AREA OBSERVED ONE NM EAST.	3809N 12628E	0380		42 25X1

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## **SECTION II**

THIS SECTION PROVIDES A LISTING OF THOSE TARGETS WHICH REFLECT NO CHANGE IN FACILITIES FROM PREVIOUS TARGET DESCRIPTION. THE MISSION NUMBER SHOWN ON THE PHOTO REFERENCE LINE (E.G., NAC GRC 000) REFERS TO THE MCI WHICH CONTAINS THE MOST ADEQUATE DESCRIPTION OF THAT TARGET. MILITARY INSTALLATIONS WHERE NO ORDER OF BATTLE CAN BE DETERMINED ARE LISTED UNDER THIS SECTION.

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
-CHINA-				
<u>MILITARY INSTALLATIONS</u>				
HSING-CHENG ARMY BARRACKS LIEN-SHAN SW	4041N 12046E	0289	19-E	25X1 25X1
I-HSIEN AREA, PROBABLE MILITARY BARRACKS	4122N 12114E	0289	15-B	25X1
I-HSIEN AREA, PROBABLE MILITARY BARRACKS AREAS	4127N 12113E	0289	15-A	25X1
I-HSIEN ARMY BARRACKS SOUTHWEST	4131N 12112E	0289	15	25X1
SANG-YUAN, BARRACKS AREAS	3738N 11623E	0381	94	25X1
CHIAO-HO, MILITARY GARRISON	3801N 11617E	0381	91	25X1
PO-TOU BARRACKS AREAS	3804N 11634E	0381	92	25X1
<u>INDUSTRY</u>				
HU-LU-TAO SULFURIC ACID PLANT	4043N 12056E	0289	14-D	25X1

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NO FOREIGN DISSEM

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
<u>BASIC SERVICES</u>				
HA-ERH-PIN AREA, RAILROAD U/C	4540N 12633E	0283		42-K
CHIN-CHOU RR STATION CIF YARDS AND SHOPS	4107N 12106E	0289		7-F
<u>URBAN COMPLEXES</u>				
LIEN-SHAN COMPLEX	4045N 12050E	0289		19
CHIN-CHOU (CHIN-HSIEN) COMPLEX	4107N 12106E	0289		7
TANG-KU COMPLEX	3859N 11741E	0381		62-C
WU-HSI COMPLEX	3135N 12018E	0492		41
<u>-NORTH KOREA-</u>				
<u>AIR INSTALLATIONS</u>				
HAGARU-RI LANDING STRIP	4023N 12714E	0290		98

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
<b>MILITARY INSTALLATIONS</b>				
NUCHON-NI AREA, MILITARY AREA [REDACTED]	3810N 12614E	0380		62-A 25X1
NAMCHONJOM AREA, PROB MILITARY INSTALLATION [REDACTED]	3823N 12622E	0380		36-C 25X1
YANGDOK AREA, POSS MILITARY STORAGE AREA [REDACTED]	3915N 12645E	0380		43-C 25X1
<b>INDUSTRY</b>				
HAEJU CEMENT COMPANY CHOSEN [REDACTED]	3759N 12542E	0380	[REDACTED]	19-C 25X1 25X1
NUCHON-NI AREA, MINING ACTIVITY [REDACTED]	3815N 12618E	0380		62 25X1
CHANGNIM-NI MINING COMPLEX [REDACTED]	3906N 12627E	0380		57 25X1
<b>PORTS AND HARBORS</b>				
HAEJU, PORT FACILITIES [REDACTED]	3759N 12542E	0380		19-B 25X1
<b>STORAGE</b>				
KUJANG-DONG AREA, STORAGE AREA [REDACTED]	3951N 12603E	0380		75 25X1

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
<b>URBAN COMPLEXES</b>				
PAEKCHON COMPLEX	3759N 12618E	0380	60	25X1 25X1
HAEJU COMPLEX	3802N 12542E	0380	19-A	25X1
NAMCHUNJOM COMPLEX	3819N 12623E	0380	36	25X1
<b>MISCELLANEOUS</b>				
TOKCHON AREA, PROB VEHICLE REPAIR FACILITY	3945N 12618E	0380	47-A	25X1

### **SECTION III**

THIS SECTION PROVIDES A LISTING OF THOSE TARGETS WHICH COULD BE IDENTIFIED BUT NOT INTERPRETED.

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
-CHINA-				
<u>MISSILES</u>				
TE-HSIEN SAM SITE A30-2	3730N 11607E	0381	66-C	25X1
				25X1
<u>AIR INSTALLATIONS</u>				
CHIN-HSIEN AIRFIELD NORTH	4111N 12110E	0289	7-C	25X1
KU-CHENG AIRFIELD	3730N 11606E	0381	30	25X1
CHING-YUAN AIRFIELD	3850N 11531E	0382	2	25X1
PAI-KUAN AREA, AIRFIELD	3001N 12052E	0492	26	25X1
<u>MILITARY INSTALLATIONS</u>				
HSING-CHENG BARRACKS	4039N 12043E	0289	11-A	25X1
TE-HSIEN MILITARY GARRISON	3728N 11617E	0381	66-B	25X1
CHING-HSIEN, MILITARY GARRISON	3742N 11616E	0381	93	25X1
KAO-CHIA-MA-FANG, MILITARY INSTALLATION	3953N 11925E	0381	116	25X1

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
<u>URBAN COMPLEXES</u>				
SUI-HUA COMPLEX [redacted]	4639N 12659E	0283	[redacted]	63 25X11
FOU-HSIN COMPLEX [redacted]	4206N 12142E	0289		8-A 25X1
PO-SHAN COMPLEX [redacted]	3629N 11750E	0381		52 25X1
TE-HSIEN COMPLEX [redacted]	3727N 11618E	0381		66 25X1
CHING-YUAN COMPLEX [redacted]	3852N 11530E	0382		2-C 25X1
LIN-I COMPLEX [redacted]	3505N 11820E	0386		15-A 25X1
WU-HSIEN COMPLEX [redacted]	3118N 12037E	0492	[redacted]	42 25X1
<u>MISCELLANEOUS</u>				
LIN-I AREA, UNIDENTIFIED ACTIVITY [redacted]	3506N 11825E	0386		15-C 25X1

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
-NORTH KOREA-				
<u>AIR INSTALLATIONS</u>				
HWANGJU AIRFIELD (2)	3839N 12548E	0380	15	25X1
				25X1
PYONGYANG MAIN AIRFIELD	3901N 12546E	0380	11-D	25X1
				25X1
PYONGYANG AIRFIELD EAST	3901N 12550E	0380	11	25X1
				25X1
PUKCHANG-NI AIRFIELD	3930N 12558E	0380	10	25X1
				25X1
WONSAN AIRFIELD	3909N 12729E	0380	30-A	25X1
				25X1
SONDOK AIRFIELD	3944N 12728E	0380	28	25X1
				25X1
<u>MILITARY INSTALLATIONS</u>				
I-DONG AREA, POSSIBLE MILITARY INSTALLATION	4012N 12611E	0290	109-B	25X1
				25X1
TURIBONG AREA, MILITARY INSTALLATION	3804N 12644E	0380	42-D	25X1
				25X1
CHOMMAUL ARMY BARRACKS	3804N 12648E	0380	65-E	25X1
				25X1
KUHWA-RI AREA, MILITARY DEFENSES	3805N 12649E	0380	65-B	25X1
				25X1

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
KUHWA-RI AREA, MILITARY AREA [redacted]	3805N 12650E	0380		65-F 25X1
TOGOL ARMY BARRACKS [redacted]	3807N 12649E	0380	[redacted]	65-C 25X1 25X1
PYONGMA-DONG ARMY BARRACKS [redacted]	3807N 12650E	0380		65-D 25X1
NO-DONG AREA, MILITARY COMPLEX [redacted]	3809N 12652E	0380		65-A 25X1
WA DONG ARMY BARRACKS AND HEADQUARTERS [redacted]	3811N 12650E	0380		65 25X1
PULMUN DONG ARMY BARRACKS [redacted]	3813N 12655E	0380		46-C 25X1
CHANGPO-RI AREA, MILITARY CAMPS [redacted]	3817N 12658E	0380		66-A 25X1
ANHYOP ARMY BARRACKS SOUTHEAST [redacted]	3820N 12655E	0380	[redacted]	46-B 25X1
MUNSU-RI AREA, MILITARY AREAS [redacted]	3821N 12651E	0380		46-A 25X1
MUNSU-RI AREA, ARMY BARRACKS [redacted]	3824N 12653E	0380		46 25X1
ICHON AREA, ARMY BARRACKS [redacted]	3829N 12653E	0380		45 25X1
KOKSAN AREA, MILITARY COMPLEX [redacted]	3847N 12641E	0380		49 25X1

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			BE	NPIC
CHANGPO-RI AREA, ARMY BARRACKS [redacted]	3816N 12702E	0380		66-B 25X1
CHANGPO-RI ARMY BARRACKS [redacted]	3818N 12701E	0380	[redacted]	66 25X1
PYONGGANG AREA, MILITARY COMPLEXES [redacted]	3830N 12719E	0380		26-D 25X1
PYONGYANG/SADONG AREA, MILITARY INSTALLATION [redacted]	3900N 12550E	0380		11-F 25X1
YONGJU-DONG, POSS MILITARY ENGR TRAINING FAC [redacted]	3903N 12552E	0380		11-K 25X1
KOBI-RI AREA, MILITARY CAMP & TRAINING AREA [redacted]	3906N 12557E	0380		77 25X1
<u>ELECTRONICS/COMMUNICATIONS</u>				
KAESONG AREA, RADIO STATION [redacted]	3759N 12634E	0380		35-A 25X1
<u>INDUSTRY</u>				
HAEJU AREA, POSSIBLE EXPLOSIVES PLANT [redacted]	3801N 12538E	0380		19-D 25X1
<u>PORTS AND HARBORS</u>				
WONSAN PORT FACILITIES [redacted]	3910N 12726E	0380	[redacted]	30-C 25X1 25X1

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City, Installation	Coordinates	WAC	Installation Numbers	
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<u>URBAN COMPLEXES</u>				
PYONGGANG COMPLEX [redacted]	3824N 12717E	0380	[redacted]	26-A 25X1
PYONGYANG COMPLEX [redacted]	3900N 12545E	0380	[redacted]	11-A 25X1
SUNCHON COMPLEX [redacted]	3925N 12556E	0380	[redacted]	41 25X1
KAECHON COMPLEX [redacted]	3941N 12553E	0380	[redacted]	40 25X1
WONSAN COMPLEX [redacted]	3909N 12727E	0380	[redacted]	30-B 25X1
KOWON COMPLEX [redacted]	3926N 12715E	0380	[redacted]	37 25X1
HUNGNAM COMPLEX [redacted]	3950N 12737E	0380	[redacted]	22-A 25X1
HAMHUNG COMPLEX [redacted]	3955N 12732E	0380	[redacted]	20-B 25X1

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## **INDEX**

THIS INDEX PROVIDES A LISTING OF ALL TARGETS CONTAINED IN SECTIONS I, II, AND III. THE INDEX IS ARRANGED ALPHABETICALLY BY PLACE NAME WITHIN COUNTRY.

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CHING-YUAN AIRFIELD		25
CHING-YUAN COMPLEX		26
FOU-HSIN COMPLEX		26
HA-ERH-PIN AREA, RAILROAD U/C		22
HA-ERH-PIN COMPLEX		13
HSING-CHENG ARMY BARRACKS LIEN-SHAN SW		21
HSING-CHENG BARRACKS		25
HSU-CHIA-CHUANG AREA, IRON PLANT U/C		11
HU-LAN AREA, PROBABLE CHEMICAL PLANT		10
HU-LU-TAO SULFURIC ACID PLANT		21
HU-SHU-KUAN AREA, IRON PLANT		11
I-HSIEN AREA, PROBABLE MILITARY BARRACKS		21
I-HSIEN AREA, PROBABLE MILITARY BARRACKS AREAS		21
I-HSIEN ARMY BARRACKS SOUTHWEST		21
KAO-CHIA-MA-FANG, MILITARY INSTALLATION		25
KU-CHENG AIRFIELD		25
LA-LIN AIRFIELD		1

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LIEN-SHAN COMPLEX	22
LIEN-SHAN CRUISE-MISSILE LAUNCH SITE	1
LIN-I AREA, UNIDENTIFIED ACTIVITY	26
LIN-I COMPLEX	26
NU-ERH-HO-TSUN AREA, INDUSTRIAL SITE	10
PA-TOU-CHUANG AREA, PROB EXPLOSIVES STORAGE	12
PAI-KUAN AREA, AIRFIELD	25
PING-FANG AIRFIELD	1
PO-SHAN COMPLEX	26
PO-TOU BARRACKS AREAS	21
SANG-YUAN, BARRACKS AREAS	21
SUI-CHUNG AIRFIELD	2
SUI-HUA COMPLEX	26
TANG-KU COMPLEX	22
TANG-KU PORT FACILITIES	12
TANG-KUAN-TUN AIRFIELD	3
TE-HSIEN COMPLEX	26
TE-HSIEN MILITARY GARRISON	25
TE-HSIEN SAM SITE A30-2	25
TIEN-CHING BARRACKS	6
TIEN-CHING COMPLEX	13
TIEN-CHING, MILITARY AREAS	6
TIENTSIN AIRFIELD	3
TSANG-HSIEN AIR FORCE TRAINING SCHOOL	5
TSANG-HSIEN AIRFIELD	2
TUNG-HAI AIRFIELD WEST	4
WU-HSI AIRFIELD	5
WU-HSI AREA, MILITARY COMPLEX	8
WU-HSI AREA, ORE PROCESSING PLANT	11
WU-HSI COMPLEX	22
WU-HSIEN AREA, MILITARY COMPLEX	7
WU-HSIEN COMPLEX	26
YANG-TSUN AIRFIELD	4

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ANHYOP ARMY BARRACKS SOUTHEAST	28
CHANGNIM-NI MINING COMPLEX	23
CHANGPO-RI AREA, ARMY BARRACKS	29
CHANGPO-RI AREA, MILITARY CAMPS	28
CHANGPO-RI ARMY BARRACKS	29
CHOMMAUL ARMY BARRACKS	27
CHUNGCHON AREA, POL STORAGE	18
HAEJU AREA, POSSIBLE EXPLOSIVES PLANT	29
HAEJU CEMENT COMPANY CHOSEN	23
HAEJU COMPLEX	24
HAEJU, PORT FACILITIES	23
HAGARU-RI LANDING STRIP	22
HAMHUNG COMPLEX	30
HANPO-RI AREA, MILITARY AREAS	16
HUNGNAM COMPLEX	30
HWANGJU AIRFIELD (2)	27
I-DONG AREA, POSSIBLE MILITARY INSTALLATION	27
ICHON AREA, ARMY BARRACKS	28
KAECHON COMPLEX	30
KAESONG AREA, RADIO STATION	29
KAESONG COMPLEX	19
KOBI-RI AREA, MILITARY CAMP & TRAINING AREA	29
KOKSAN AREA, MILITARY COMPLEX	28
KOWON COMPLEX	30
KUHWA-RI AREA, MILITARY DEFENSES	27
KUHWA-RI AREA, MILITARY AREA	28
KUJANG-DONG AREA, STORAGE AREA	23
KUMCHON AREA, MILITARY INSTALLATIONS	16
KUMCHON COMPLEX	19
KUYONG-NI AREA, MILITARY ACTIVITY	15
MANPOJIN COMPLEX	19
MUNSU-RI AREA, ARMY BARRACKS	28

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MUNSU-RI AREA, MILITARY AREAS	28
NAMCHONJOM AREA, PROB MILITARY INSTALLATION	23
NAMCHONJOM COMPLEX	24
NAMCHONJOM, MILITARY BARRACKS AREA	17
NO-DONG AREA, MILITARY COMPLEX	28
NUCHON-NI AREA, MILITARY AREA	23
NUCHON-NI AREA, MINING ACTIVITY	23
PAEKCHON COMPLEX	24
PUKCHANG-NI AIRFIELD	27
PULMUN DONG ARMY BARRACKS	28
PYONG-NI AIRFIELD	14
PYONGGANG AREA, MILITARY COMPLEXES	29
PYONGGANG COMPLEX	30
PYONGMA-DONG ARMY BARRACKS	28
PYONGYANG AIRFIELD EAST	27
PYONGYANG COMPLEX	30
PYONGYANG MAIN AIRFIELD	27
PYONGYANG TO WONSAN SEARCH	18
PYONGYANG/SADONG AREA, MILITARY INSTALLATION	29
SAAMCHAM AIRFIELD	14
SAMSAN-NI, MILITARY INSTALLATION	16
SINGYE AREA, MILITARY ACTIVITY	15
SINGYE AREA, MILITARY INSTALLATION	17
SONDOK AIRFIELD	27
SUNCHON COMPLEX	30
TOGOL ARMY BARRACKS	28
TOKCHON AREA, PROB VEHICLE REPAIR FACILITY	24
TONGNO-GANG, DAM & HYDROELECTRIC POWER PLANT	18
TURIBONG AREA, MILITARY INSTALLATION	27
WA DONG ARMY BARRACKS AND HEADQUARTERS	28
WONSAN AIRFIELD	27
WONSAN COMPLEX	30
WONSAN PORT FACILITIES	29
YANGDOK AREA, MILITARY STORAGE AREA	17

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YANGDOK AREA, POSS MILITARY STORAGE AREA	23
YANGDOK--SAMDUNG RAILROAD	18
YONAN AREA, MILITARY ACTIVITY	15
YONGJU-DONG, POSS MILITARY ENGR TRAINING FAC	29

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## APPENDIX

### EXPLANATION OF COLUMN HEADINGS, PHOTO REFERENCE DATA AND CONDITIONS AFFECTING PHOTOGRAPHY

#### COLUMN HEADINGS

City, Installation -- This column contains the name of the city or town nearest the installation, followed by the name of the installation. If the name of the installation is not known, it is titled according to its function. Where appropriate, the city and installation names are followed by a capsule description.

Coordinates -- Coordinates are referenced to the SW corner of the minute square. When the subject installation covers a wide area, coordinates are given for the approximate center of the installation.

WAC -- This column provides the World Aeronautical Chart number for the area in which the subject installation is situated.

Installation Numbers -- This column is divided into two subcolumns. The first subcolumn lists, when known, the BE installation number assigned to the installation. The second subcolumn lists the installation number assigned by NPIC. Installation numbers, when used to reference an

item, should be prefixed by the appropriate WAC number, since installation numbers are repeated from WAC to WAC. For example, there is an NPIC target number 0492-7 and an NPIC target number 0289-7. In each instance, the NPIC installation number is 7, but the installations appear on different WAC charts.

#### PHOTO REFERENCE DATA

The photo reference data indicates the frame(s) on which the installation appears.

#### CONDITIONS AFFECTING PHOTOGRAPHY

Following the photo reference data, symbols indicate conditions which affect the appearance of the installation on the photography. The symbols are: C (clear); SC (scattered clouds); HC (heavy clouds); SC-HC (scattered-to-heavy clouds); H (haze); CS (cloud shadow); D (darkness); SD (semidarkness); O (obliquity); S (snow); and PQ (poor image quality).

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